

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404 Tel: (912)354-7858

TestAmerica Job ID: 680-115487-2

Client Project/Site: Gold King Mine - Region 9

For:

Weston Solutions, Inc. 1400 Weston Way PO BOX 2653 West Chester, Pennsylvania 19380

Attn: Ms. Gretchen Fodor

Authorized for release by: 8/13/2015 6:04:26 PM

Sheila Hoffman, Project Manager II (912)354-7858 e.3004

hele Hoffman

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Job ID: 680-115487-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Weston Solutions, Inc.

Project: Gold King Mine - Region 9

Report Number: 680-115487-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 08/12/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8° C, 3.0° C, 4.0° C, 4.2° C, 4.2° C, 5.0° C and 5.8° C.

TOTAL DISSOLVED SOLIDS

Samples SJMC-081015-12 (680-115487-1), SJME-081015-11 (680-115487-2), SJMC-081015-11 (680-115487-3), SJ4C-081015-11 (680-115487-4), SJSR-081015-11 (680-115487-5), SJFP-081015-11 (680-115487-6), SJBB-081015-11 (680-115487-7), SJMH-081015-11 (680-115487-8), MECT-081015-11 (680-115487-9), SJLP-081015-11 (680-115487-10), SJDS-081015-11 (680-115487-11), SJHB-081015-11 (680-115487-12), SJHB-081015-12 (680-115487-13), SJ4C-081115-11 (680-115487-14), SJ4C-081115-12 (680-115487-15), SJSR-081115-11 (680-115487-16), SJMH-081115-11 (680-115487-17), SJBB-081115-11 (680-115487-18), SJMC-081115-11 (680-115487-19), SJME-081115-11 (680-115487-20), SJME-081115-12 (680-115487-24), SJDS-081115-11 (680-115487-25) and SJLP-081115-11 (680-115487-26) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 08/12/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

TestAmerica Job ID: 680-115487-2

Client: Weston Solutions, Inc. Project/Site: Gold King Mine - Region 9

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-115487-1	SJMC-081015-12	Water	08/10/15 13:40	08/12/15 09:46
680-115487-2	SJME-081015-11	Water	08/10/15 14:40	08/12/15 09:46
680-115487-3	SJMC-081015-11	Water	08/10/15 13:35	08/12/15 09:46
680-115487-4	SJ4C-081015-11	Water	08/10/15 15:05	08/12/15 09:46
680-115487-5	SJSR-081015-11	Water	08/10/15 12:10	08/12/15 09:46
680-115487-6	SJFP-081015-11	Water	08/10/15 10:35	08/12/15 09:46
680-115487-7	SJBB-081015-11	Water	08/10/15 12:40	08/12/15 09:46
680-115487-8	SJMH-081015-11	Water	08/10/15 11:35	08/12/15 09:46
680-115487-9	MECT-081015-11	Water	08/10/15 14:15	08/12/15 09:46
680-115487-10	SJLP-081015-11	Water	08/10/15 09:40	08/12/15 09:46
680-115487-11	SJDS-081015-11	Water	08/10/15 13:25	08/12/15 09:46
680-115487-12	SJHB-081015-11	Water	08/10/15 11:25	08/12/15 09:46
680-115487-13	SJHB-081015-12	Water	08/10/15 11:25	08/12/15 09:46
680-115487-14	SJ4C-081115-11	Water	08/11/15 09:52	08/12/15 09:46
680-115487-15	SJ4C-081115-12	Water	08/11/15 09:52	08/12/15 09:46
680-115487-16	SJSR-081115-11	Water	08/11/15 12:35	08/12/15 09:46
680-115487-17	SJMH-081115-11	Water	08/11/15 10:35	08/12/15 09:46
680-115487-18	SJBB-081115-11	Water	08/11/15 11:30	08/12/15 09:46
680-115487-19	SJMC-081115-11	Water	08/11/15 12:20	08/12/15 09:46
680-115487-20	SJME-081115-11	Water	08/11/15 13:30	08/12/15 09:46
680-115487-21	SJME-081115-12	Water	08/11/15 13:35	08/12/15 09:46
680-115487-22	MECT-081115-11	Water	08/11/15 13:45	08/12/15 09:46
680-115487-23	SJFP-081115-11	Water	08/11/15 13:45	08/12/15 09:46
680-115487-24	SJHB-081115-11	Water	08/11/15 13:05	08/12/15 09:46
680-115487-25	SJDS-081115-11	Water	08/11/15 11:40	08/12/15 09:46
680-115487-26	SJLP-081115-11	Water	08/11/15 14:25	08/12/15 09:46

Method Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Method	Method Description	Protocol	Laboratory
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	TAL SAV

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Qualifiers

General Chemistry

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CNF Contains no Free Liquid

DER Duplicate error ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision level concentration
MDA Minimum detectable activity
EDL Estimated Detection Limit
MDC Minimum detectable concentration

MDL Method Detection Limit
ML Minimum Level (Dioxin)

NC Not Calculated

ND Not detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC Quality Control
RER Relative error ratio

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Date Collected: 08/10/15 13:40 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJME-081015-11 Lab Sample ID: 680-115487-2

Date Collected: 08/10/15 14:40 Date Received: 08/12/15 09:46 . Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	370		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJMC-081015-11

Date Collected: 08/10/15 13:35 Date Received: 08/12/15 09:46 Lab Sample ID: 680-115487-3

Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	360		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

Client Sample ID: SJ4C-081015-11

TestAmerica Job ID: 680-115487-2

Lab Sample ID: 680-115487-4

Matrix: Water

Date Collected: 08/10/15 15:05 Date Received: 08/12/15 09:46

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	390		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Date Collected: 08/10/15 12:10 Matrix: Water

Date Received: 08/12/15 09:46

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	330	10	10 mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJFP-081015-11 Lab Sample ID: 680-115487-6

Date Collected: 08/10/15 10:35 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	270		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJBB-081015-11 Lab Sample ID: 680-115487-7

Date Collected: 08/10/15 12:40

Matrix: Water

Date Received: 08/12/15 09:46

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	380		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Lab Sample ID: 680-115487-8 Client Sample ID: SJMH-081015-11

Date Collected: 08/10/15 11:35

Matrix: Water Date Received: 08/12/15 09:46

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	370		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: MECT-081015-11 Lab Sample ID: 680-115487-9

Date Collected: 08/10/15 14:15 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry						_			
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJLP-081015-11 Lab Sample ID: 680-115487-10

Date Collected: 08/10/15 09:40 Matrix: Water

Date Received: 08/12/15 09:46

General Chemistry							
Analyte	Result Qualifie	r RL	RL Ur	nit D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	260	10	10 mg	g/L		08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Date Collected: 08/10/15 13:25 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	340		10	10	mg/L			08/12/15 15:26	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJHB-081015-11 Lab Sample ID: 680-115487-12

Date Collected: 08/10/15 11:25 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	260		10	10	mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

Client Sample ID: SJHB-081015-12

TestAmerica Job ID: 680-115487-2

Lab Sample ID: 680-115487-13

Date Collected: 08/10/15 11:25 Matrix: Water

Date Received: 08/12/15 09:46

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	260		10	10	mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJ4C-081115-11 Lab Sample ID: 680-115487-14

Date Collected: 08/11/15 09:52

Matrix: Water

Date Received: 08/12/15 09:46

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJ4C-081115-12 Lab Sample ID: 680-115487-15

Date Collected: 08/11/15 09:52 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350		10	10	mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJSR-081115-11 Lab Sample ID: 680-115487-16

Date Collected: 08/11/15 12:35
Date Received: 08/12/15 09:46

Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	290		10	10	mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJMH-081115-11 Lab Sample ID: 680-115487-17

Date Collected: 08/11/15 10:35 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry										
Analyte	Result	Qualifier	RL	RL	Unit	D		Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350		10	10	mg/L		_		08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJBB-081115-11 Lab Sample ID: 680-115487-18

Date Collected: 08/11/15 11:30 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry										
Analyte	Result	Qualifier	RL	RL	Unit	D		Prepared	Analyzed	Dil Fac
Total Dissolved Solids	330		10	10	mg/L		_		08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJMC-081115-11 Lab Sample ID: 680-115487-19

Date Collected: 08/11/15 12:20 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10	10	mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJME-081115-11 Lab Sample ID: 680-115487-20

Date Collected: 08/11/15 13:30 Date Received: 08/12/15 09:46 . Matrix: Water

General Chemistry

AnalyteResultQualifierRLRLUnitDPreparedAnalyzedDil FacTotal Dissolved Solids2801010mg/L08/12/15 16:591

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Date Collected: 08/11/15 13:35 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	290	10	10 mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: MECT-081115-11 Lab Sample ID: 680-115487-22

Date Collected: 08/11/15 13:45 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	310		10	10	mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJFP-081115-11 Lab Sample ID: 680-115487-23

Date Collected: 08/11/15 13:45 Matrix: Water

Date Received: 08/12/15 09:46

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	300	10	10 mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJHB-081115-11 Lab Sample ID: 680-115487-24

Date Collected: 08/11/15 13:05 Date Received: 08/12/15 09:46 Matrix: Water

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	350	10	10 mg/L			08/12/15 16:59	

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJDS-081115-11 Lab Sample ID: 680-115487-25

Date Collected: 08/11/15 11:40

Matrix: Water

Date Received: 08/12/15 09:46

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	340		10	10	mg/L			08/12/15 16:59	1

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJLP-081115-11 Lab Sample ID: 680-115487-26

Date Collected: 08/11/15 14:25 Matrix: Water

Date Received: 08/12/15 09:46

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	330	10	10 mg/L			08/12/15 16:59	1

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Method: 2540C-2011 - T	otal Diss	SOIV	red Sol	ids (Dı	ried	at 180	0 °C)							
Lab Sample ID: MB 680-395 Matrix: Water	755/1								(Clie	nt Sam	ple ID: M Prep Ty _l		
Analysis Batch: 395755		MR	МВ											
Analyte	Re		Qualifier		RL		RL Unit		D	Pı	repared	Analyz	red .	Dil Fac
Total Dissolved Solids		5.0			5.0		5.0 mg/L		_		срагса	08/12/15		1
							-1.5g/=							
Lab Sample ID: LCS 680-39 Matrix: Water	5755/2							Cli	ent	Sar	nple ID	: Lab Cor Prep Ty _l		-
Analysis Batch: 395755														
				Spike		LCS		•• ••		_		%Rec.		
Analyte				Added			Qualifier	Unit		D	%Rec	Limits		
Total Dissolved Solids				59.0		67.0		mg/L			114	80 - 120		
Lab Sample ID: LCSD 680-3 Matrix: Water	95755/3						C	lient S	Sam	ple	ID: Lab	Control Prep Ty		
Analysis Batch: 395755														
· · · · · · · · · · · · · · · · · · ·				Spike		LCSD	LCSD					%Rec.		RPD
Analyte				Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Total Dissolved Solids				59.0		63.0		mg/L		_	107	80 - 120	6	25
 Lab Sample ID: 680-115487- Matrix: Water	-2 DU								Cli	ent	Sample	ID: SJM Prep Ty		
Analysis Batch: 395755														
-	Sample	San	nple			DU	DU							RPD
Analyte	Result	Qua	alifier				Qualifier	Unit		D			RPD	
Total Dissolved Solids	370					352		mg/L					4	5
Lab Sample ID: MB 680-395 Matrix: Water Analysis Batch: 395795	795/1	МВ	МВ						(Clie	nt Sam	ple ID: M Prep Ty _l		
Analyte	Re	sult	Qualifier		RL		RL Unit		D	Pi	repared	Analyz	zed	Dil Fac
Total Dissolved Solids		5.0	U		5.0		5.0 mg/L		_			08/12/15	16:59	1
Lab Sample ID: LCS 680-39 Matrix: Water Analysis Batch: 395795	5795/2							Cli	ent	Sar	mple ID	: Lab Cor Prep Ty _l		*
				Spike		LCS						%Rec.		
Analyte				Added			Qualifier	Unit		D	%Rec	Limits		
Total Dissolved Solids				59.0		67.0		mg/L			114	80 - 120		
Lab Sample ID: LCSD 680-3 Matrix: Water	95795/3						C	lient S	3am	ple	ID: Lab	Control Prep Ty		
Analysis Batch: 395795				0 11								A/ D		555
Amaluta				Spike Added		LCSD		Unit		_	0/ Doo	%Rec.	חחח	RPD
Analyte Total Dissolved Solids				59.0		65.0	Qualifier	Unit mg/L		D	%Rec 110	Limits 80 - 120	RPD 3	
 Lab Sample ID: 680-115487- Matrix: Water	-12 DU			00.0		00.0		mg/L	Cli	ent		iD: SJH Prep Ty	B-0810	015-11
Analysis Batch: 395795														
.,	Sample	Can	nnia			ווח	ווח							תמם
	Sample Result					DU		Unit		ת			DDU.	RPD Limit
Analyte Total Dissolved Solids	Sample Result						DU Qualifier	Unit mg/L		D			RPD 4	Limit

QC Sample Results

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Lab Sample ID: 680-115487-22 DU Client Sample ID: MECT-081115-11

Matrix: Water Prep Type: Total/NA

Analysis Batch: 395795

Sample Sample DU DU RPD

QC Association Summary

Client: Weston Solutions, Inc. Project/Site: Gold King Mine - Region 9 TestAmerica Job ID: 680-115487-2

General Chemistry

Analysis Batch: 395755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115487-1	SJMC-081015-12	Total/NA	Water	2540C-2011	
680-115487-2	SJME-081015-11	Total/NA	Water	2540C-2011	
680-115487-2 DU	SJME-081015-11	Total/NA	Water	2540C-2011	
680-115487-3	SJMC-081015-11	Total/NA	Water	2540C-2011	
680-115487-4	SJ4C-081015-11	Total/NA	Water	2540C-2011	
680-115487-5	SJSR-081015-11	Total/NA	Water	2540C-2011	
680-115487-6	SJFP-081015-11	Total/NA	Water	2540C-2011	
680-115487-7	SJBB-081015-11	Total/NA	Water	2540C-2011	
680-115487-8	SJMH-081015-11	Total/NA	Water	2540C-2011	
680-115487-9	MECT-081015-11	Total/NA	Water	2540C-2011	
680-115487-10	SJLP-081015-11	Total/NA	Water	2540C-2011	
680-115487-11	SJDS-081015-11	Total/NA	Water	2540C-2011	
LCS 680-395755/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-395755/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-395755/1	Method Blank	Total/NA	Water	2540C-2011	

Analysis Batch: 395795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115487-12	SJHB-081015-11	Total/NA	Water	2540C-2011	_
680-115487-12 DU	SJHB-081015-11	Total/NA	Water	2540C-2011	
680-115487-13	SJHB-081015-12	Total/NA	Water	2540C-2011	
680-115487-14	SJ4C-081115-11	Total/NA	Water	2540C-2011	
680-115487-15	SJ4C-081115-12	Total/NA	Water	2540C-2011	
680-115487-16	SJSR-081115-11	Total/NA	Water	2540C-2011	
680-115487-17	SJMH-081115-11	Total/NA	Water	2540C-2011	
680-115487-18	SJBB-081115-11	Total/NA	Water	2540C-2011	
680-115487-19	SJMC-081115-11	Total/NA	Water	2540C-2011	
680-115487-20	SJME-081115-11	Total/NA	Water	2540C-2011	
680-115487-21	SJME-081115-12	Total/NA	Water	2540C-2011	
680-115487-22	MECT-081115-11	Total/NA	Water	2540C-2011	
680-115487-22 DU	MECT-081115-11	Total/NA	Water	2540C-2011	
680-115487-23	SJFP-081115-11	Total/NA	Water	2540C-2011	
680-115487-24	SJHB-081115-11	Total/NA	Water	2540C-2011	
680-115487-25	SJDS-081115-11	Total/NA	Water	2540C-2011	
680-115487-26	SJLP-081115-11	Total/NA	Water	2540C-2011	
LCS 680-395795/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-395795/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
MB 680-395795/1	Method Blank	Total/NA	Water	2540C-2011	

Lab Chronicle

Client: Weston Solutions. Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Lab Sample ID: 680-115487-1 Client Sample ID: SJMC-081015-12

Date Collected: 08/10/15 13:40 Matrix: Water

Date Received: 08/12/15 09:46

Dil Batch Batch Initial Final Batch Prepared Prep Type Type Method Run **Factor Amount Amount** Number or Analyzed **Analyst** 50 mL Total/NA Analysis 2540C-2011 100 mL 395755 08/12/15 15:26 **JER** TAL SAV Instrument ID: NOEQUIP

Client Sample ID: SJME-081015-11 Lab Sample ID: 680-115487-2

Date Collected: 08/10/15 14:40 Matrix: Water

Date Received: 08/12/15 09:46

Batch **Batch** Dil Initial Final Batch Prepared Prep Type Method Factor Amount Amount Number or Analyzed Type Run Analyst Lab 395755 08/12/15 15:26 JER Total/NA 2540C-2011 50 mL 100 mL TAL SAV Analysis Instrument ID: NOEQUIP

Client Sample ID: SJMC-081015-11 Lab Sample ID: 680-115487-3

Date Collected: 08/10/15 13:35 Matrix: Water

Date Received: 08/12/15 09:46

Dil Initial Final Batch Ratch Ratch Prepared Prep Type Type Method Run Factor **Amount Amount** Number or Analyzed Analyst Lab 08/12/15 15:26 JER TAL SAV Total/NA Analysis 2540C-2011 50 mL 100 mL 395755 Instrument ID: NOEQUIP

Lab Sample ID: 680-115487-4 Client Sample ID: SJ4C-081015-11

Date Collected: 08/10/15 15:05

Date Received: 08/12/15 09:46

Batch Dil Initial Final Batch Batch Prepared Method Number or Analyzed Analyst Prep Type Type Run **Factor** Amount Amount Lab 2540C-2011 08/12/15 15:26 TAL SAV Total/NA Analysis 50 mL 100 mL 395755 JER Instrument ID: NOEQUIP

Client Sample ID: SJSR-081015-11 Lab Sample ID: 680-115487-5

Date Collected: 08/10/15 12:10 Matrix: Water Date Received: 08/12/15 09:46

Batch Dil Initial Final Batch Prepared Batch

Method Number or Analyzed Prep Type Type Run **Factor** Amount Amount Analyst Lab 2540C-2011 50 mL 395755 08/12/15 15:26 JER TAL SAV Total/NA Analysis 100 ml Instrument ID: NOEQUIP

Analysis

Client Sample ID: SJFP-081015-11 Lab Sample ID: 680-115487-6

Date Collected: 08/10/15 10:35 Matrix: Water Date Received: 08/12/15 09:46

Dil Initial Final Batch Prepared Batch Batch Method Amount Amount Number or Analyzed Prep Type Type Run Factor **Analyst** Lab

50 mL

100 mL

395755

Instrument ID: NOEQUIP

2540C-2011

TestAmerica Savannah

TAL SAV

08/12/15 15:26 JER

Matrix: Water

Total/NA

Lab Chronicle

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJBB-081015-11 Lab Sample ID: 680-115487-7

Date Collected: 08/10/15 12:40 Matrix: Water

Date Received: 08/12/15 09:46

Dil Initial Batch Batch Final Batch Prepared Prep Type Type Method Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA Analysis 2540C-2011 50 mL 100 mL 395755 08/12/15 15:26 JER TAL SAV Instrument ID: NOEQUIP

Client Sample ID: SJMH-081015-11 Lab Sample ID: 680-115487-8

Date Collected: 08/10/15 11:35 Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount **Amount** Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 395755 08/12/15 15:26 JER TAL SAV Analysis 100 mL Instrument ID: NOEQUIP

Client Sample ID: MECT-081015-11 Lab Sample ID: 680-115487-9

Date Collected: 08/10/15 14:15 Matrix: Water

Date Received: 08/12/15 09:46

Dil Initial Batch Batch Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 100 mL 395755 08/12/15 15:26 JER TAL SAV Analysis Instrument ID: NOEQUIP

Client Sample ID: SJLP-081015-11 Lab Sample ID: 680-115487-10

Date Collected: 08/10/15 09:40 Matrix: Water

Date Received: 08/12/15 09:46

Dil Batch Batch Initial Final Batch Prepared Method Factor **Amount** Number or Analyzed Prep Type Type Run Amount **Analyst** Lab Total/NA Analysis 2540C-2011 50 mL 100 mL 395755 08/12/15 15:26 JER TAL SAV Instrument ID: NOEQUIP

Client Sample ID: SJDS-081015-11 Lab Sample ID: 680-115487-11

Date Collected: 08/10/15 13:25 Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial **Final Batch** Prepared Prep Type Type Method Run **Factor Amount Amount** Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 100 mL 395755 08/12/15 15:26 JER TAL SAV Analysis Instrument ID: NOEQUIP

Client Sample ID: SJHB-081015-11 Lab Sample ID: 680-115487-12

Date Collected: 08/10/15 11:25 Matrix: Water

Date Received: 08/12/15 09:46

Batch **Batch** Dil Initial Final Batch Prepared Prep Type Type Method Run **Factor** Amount Amount Number or Analyzed Analyst Lab 2540C-2011 395795 08/12/15 16:59 JER TAL SAV Total/NA Analysis 50 mL 100 mL Instrument ID: NOEQUIP

Lab Chronicle

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJHB-081015-12 Lab Sample ID: 680-115487-13

Date Collected: 08/10/15 11:25 Matrix: Water

Date Received: 08/12/15 09:46

Dil Initial Batch Batch Final Batch Prepared Prep Type Type Method Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA Analysis 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Instrument ID: NOEQUIP

Client Sample ID: SJ4C-081115-11 Lab Sample ID: 680-115487-14

Date Collected: 08/11/15 09:52 Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount **Amount** Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 395795 08/12/15 16:59 JER TAL SAV Analysis 100 mL Instrument ID: NOEQUIP

Client Sample ID: SJ4C-081115-12 Lab Sample ID: 680-115487-15

Date Collected: 08/11/15 09:52 Matrix: Water

Date Received: 08/12/15 09:46

Dil Initial Batch Batch Final Batch Prepared Prep Type Type Method Run **Factor** Amount Amount Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Analysis Instrument ID: NOEQUIP

Client Sample ID: SJSR-081115-11 Lab Sample ID: 680-115487-16

Date Collected: 08/11/15 12:35 Matrix: Water

Date Received: 08/12/15 09:46

Dil Batch Batch Initial Final Batch Prepared Method Factor **Amount** Number or Analyzed Prep Type Type Run Amount **Analyst** Lab Total/NA Analysis 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Instrument ID: NOEQUIP

Client Sample ID: SJMH-081115-11 Lab Sample ID: 680-115487-17

Date Collected: 08/11/15 10:35 Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial **Final Batch** Prepared Prep Type Type Method Run **Factor Amount Amount** Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Analysis Instrument ID: NOEQUIP

Client Sample ID: SJBB-081115-11 Lab Sample ID: 680-115487-18

Date Collected: 08/11/15 11:30 Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run **Factor** Amount Amount Number or Analyzed Analyst Lab 2540C-2011 395795 08/12/15 16:59 JER TAL SAV Total/NA Analysis 50 mL 100 mL Instrument ID: NOEQUIP

Lab Chronicle

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJMC-081115-11 Lab Sample ID: 680-115487-19

Date Collected: 08/11/15 12:20 Matrix: Water

Date Received: 08/12/15 09:46

Dil Initial Batch Batch Final Batch Prepared Prep Type Type Method Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA Analysis 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Instrument ID: NOEQUIP

Client Sample ID: SJME-081115-11 Lab Sample ID: 680-115487-20

Date Collected: 08/11/15 13:30 Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount **Amount** Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 395795 08/12/15 16:59 JER TAL SAV Analysis 100 mL Instrument ID: NOEQUIP

Client Sample ID: SJME-081115-12 Lab Sample ID: 680-115487-21

Date Collected: 08/11/15 13:35 Matrix: Water

Date Received: 08/12/15 09:46

Dil Initial Batch **Batch** Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Analysis Instrument ID: NOEQUIP

Client Sample ID: MECT-081115-11 Lab Sample ID: 680-115487-22

Date Collected: 08/11/15 13:45 Matrix: Water

Date Received: 08/12/15 09:46

Dil Batch **Batch** Initial Final Batch Prepared Method Factor **Amount** Number or Analyzed Prep Type Type Run Amount **Analyst** Lab Total/NA Analysis 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Instrument ID: NOEQUIP

Client Sample ID: SJFP-081115-11 Lab Sample ID: 680-115487-23

Date Collected: 08/11/15 13:45

Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial **Final Batch** Prepared Prep Type Type Method Run **Factor Amount Amount** Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Analysis Instrument ID: NOEQUIP

Client Sample ID: SJHB-081115-11 Lab Sample ID: 680-115487-24

Date Collected: 08/11/15 13:05 Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run **Factor** Amount Amount Number or Analyzed Analyst Lab 2540C-2011 395795 08/12/15 16:59 JER TAL SAV Total/NA Analysis 50 mL 100 mL Instrument ID: NOEQUIP

Lab Chronicle

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Client Sample ID: SJDS-081115-11 Lab Sample ID: 680-115487-25

Date Collected: 08/11/15 11:40 Matrix: Water

Date Received: 08/12/15 09:46

Dil Initial Batch Batch Final Batch Prepared Prep Type Type Method Run **Factor** Amount **Amount** Number or Analyzed Analyst Total/NA Analysis 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Instrument ID: NOEQUIP

Client Sample ID: SJLP-081115-11 Lab Sample ID: 680-115487-26

Date Collected: 08/11/15 14:25 Matrix: Water

Date Received: 08/12/15 09:46

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 2540C-2011 50 mL 100 mL 395795 08/12/15 16:59 JER TAL SAV Analysis Instrument ID: NOEQUIP

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody Record

5102 LaRoche Avenue

TestAmerica

Savannah, GA 31404-6019 phone 912.354.7858 fax 912.352.0165	Regul	atory Pro	gram: [] wo [NPDES	; [RC	RA	П	Other:												TestAmerica Laboratorio	es, Inc.
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Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=	NaOH; 6=	Other																					
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please I Comments Section if the lab is to dispose of the sample.					in the				·		(A fe						samp				ed	longer than 1 month)	
Non-Hazard Flammable Skin Irritant	Poison	В	Unkno	wn				Retu	m to (Client	HOLLING CO.		Dis	posal	by Lab)	GIP COLUMN	<u> </u>	Archive	for		Months	
Special Instructions/QC Requirements & Comments: * (200.7: Al, Ca, Fe, K, Mg, Na) (200.8: Sb, As, Ba, Be, Cd, Cr, ** EPA 200.7, 200.8, 245.1	Co, Cu, Pl	o, Mn, Mo,	Ni, Ag, Se	, TI, V, Z	N) (24	5.1 H	łg) (S	SM2	340E	3)					4	3.5	2	/	4.	2	•		
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Form No. CA-C-WI-002, Rev. 4.5, dated 07/15/2015











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Chain of Custody Record

5102 LaRoche Avenue

TestAmerica

Savannah, GA 31404-6019 phone 912.354.7858 fax 912.352.0165	Regu	latory Pro	ogram: [] wo [NPDE:	s	RC	RA		Other:											re LEADER T estAm e				
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Chain of Custody Record

5102 LaRoche Avenue

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Savannah, GA 31404-6019 phone 912.354.7858 fax 912.352.0165	Regu	latory Pro	gram: [Jow C		: г	□RC	DΛ		Other:										TestAmerica Laboratories, Inc.
Client Contact			onathan Co	namentalen kildeten in da samen		~				adamatan and	an Co	lomb	ln ₂	te: 8/	11/15					COC No:
Weston Solutions, Inc.		73-947-40		3101110		-					Hoffm			rrier:		= ~				1 of 1 COCs
70 N.E. Loop 410; Suite 600			urnaround	Time		Lab	T	7	-	I		T	-100	TT	Teu	Î	Т		7	Sampler:
San Antonio, TX 78216-5842	☑ CALEN			KING DAY	5			#6H	,				-							For Lab Use Only:
(703) 724-0544 Phone	+=	T if different fr					-l *.		,											Walk-in Client:
(xxx) xxx-xxxx FAX] '^		om below weeks			I-I-	Perform MS / MSD (7 / N) Total Metals; including HG*	Dissolved Metals; including												Lab Sampling:
Project Name: Gold King Mine - Region 9			week			E	MSD (Y	힏		8										
Site: Region 9	1 5		days			2 8	딝흥	18:	·	320	_ _		-						-	Job / SDG No.:
P O # 20409.016.002.0010.08			day			g :	2 5	eta	Œ	MZ	9 8									0007 CDG No.:
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Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please I Comments Section if the lab is to dispose of the sample.			odes for the	e sample	in the		Samı	ple l	Disp	osal	(Afe	e may	be as	sess	ed if	amp	les a	are re	etain	ed longer than 1 month)
Non-Hazard Flammable Skin Irritant	Poison	B	Unkno	wn	reduction and Admin	-		lRetu	m to	Client		г	Dispos	al hv i a	h		Па	rchive	for	Months
Special Instructions/QC Requirements & Comments:	Water State of the		orano d estidaren en escaparen en			and the same of the same						ti incomingal and	1.010000		-				power was	
* (200.7: Al, Ca, Fe, K, Mg, Na) (200.8: Sb, As, Ba, Be, Cd, Cr,	Co, Cu, Pl	b, Mn, Mo,	Ni, Ag, Se	, TI, V, Z	ZN) (24	5.1 H	łg) (SM2	340	B) /	$\cap C$	1	-11	Ç(C	7		7 (n /	(21)
** EPA 200.7, 200.8, 245.1 Dissolved metals samples have been field filtered										(N G	SU		.)	70	1	. (_	\	ν	J. U
Custody Seals Intact: Yes No	Custody S	Seal No :				***************************************		7	Co	oler	Temp.	(°C):	Obş'ø:	-	-	Corr	'd:		-	Therm ID No.:
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Form No. CA-C-WI-002, Rev. 4.5, dated 07/15/2015











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Chain of Custody Record

5102 LaRoche Avenue



Savannah, GA 31404-6019 phone 912.354.7858 fax 912.352.0165	Regu	latory Pro	gram: [l wol	NPDES	5	∏RC	:RA		Other											TestAmerica		
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San Antonio, TX 78216-5842	[√] CALEN			KING DAY	'S	11		#oH	2												For Lab Use Onl	lv:	
(703) 724-0544 Phone		T if different f					- *				- [Walk-in Client:). 	
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Project Name: Gold King Mine - Region 9	1 5		. week			Z	Perform MS / MSD (Y / N) Total Metals: including HG*	Metals: including		<u>6</u>			1 1									<u> </u>	
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Dissolved metals samples have been field filtered									\bigcup	1 <u>0</u>	<u></u>	11-	<u> </u>	<u> </u>							<u> </u>		
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Relinquished by:	Company	 		Date/Ti			Rece	ived	by:			<u></u>		-	Coi	npar	y:		1		Date/Time:		
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Chain of Custody Record

5102 LaRoche Avenue

<u>TestAmerica</u>

Savannah, GA 31404-6019	5																			THE LEADER IN ENVIRONMENTAL TESTING		
phone 912.354.7858 fax 912.352.0165	The second second second second		gram: [NPDES	- Charles	☐RCI	omound 455		Other:			. 1		01111					TestAmerica Laboratories, Inc.		
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San Antonio, TX 78216-5842	☑ CALEN	DAR DAYS	Wor	KING DAY	<u> </u>			Ξ				1	1 1	1	1 1			1 1		For Lab Use Only:		
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(xxx) xxx-xxxx FAX.		2	weeks			23] B	١ặ									1			Lab Sampling:		
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Comments Section if the lab is to dispose of the sample.	P																			and the second s		
Non-Hazard Flammable Skin Irritant	Poison	В	✓ Unkno	wn				Retur	n to C	Client	-		Dis	osal by	Lab	and the second		Archiv	e for	Months		
Special Instructions/QC Requirements & Comments: * (200.7: AI, Ca, Fe, K, Mg, Na) (200.8: Sb, As, Ba, Be, Cd, Cr, ** EPA 200.7, 200.8, 245.1	Co, Cu, Pl	o, Mn, Mo,	Ni, Ag, Se	, TI, V, Z	N) (24	5.1 H	lg) (S	SM2:	340E	3)		٩	3.	Disposal by Lab Archive for Months R. F. J. J. T. (080) - 1150 -								
Dissolved metals samples have been field filtered								encorado (1010	Ą			famina	<u>~</u>	nagtunana.		, .		//// *********************************		× 0 10 10 1		
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Relinquished by:

Chain of Custody Record

5102 LaRoche Avenue THE LEADER IN ENVIRONMENTAL TESTING Savannah, GA 31404-6019 phone 912.354.7858 fax 912.352.0165 Regulatory Program: ☐ DW TestAmerica Laboratories. Inc. ☐ RCRA Other: COC No: Project Manager: Jonathan Colomb Client Contact Site Contact: Jonathan Colomb Date: 8/11/15 COCs Weston Solutions, Inc. Tel/Fax: 773-947-4064 Lab Contact: Sheila Hoffman Carrier: Fed Ex 70 N.E. Loop 410; Suite 600 **Analysis Turnaround Time** Sampler: Dissolved Metals; including Hg** San Antonio, TX 78216-5842 ✓ CALENDAR DAYS WORKING DAYS For Lab Use Only: Walk-in Client: (703) 724-0544 Phone Perform MS / MSD (Y / N) Total Metals; including HG* TAT if different from Below FAX (xxx) xxx-xxxx Lab Sampling: 2 weeks Project Name: Gold King Mine - Region 9 Alkalinity (SM2320B) 1 week Site: Region 9 2 days Job / SDG No.: TSS (SM2540D) (SM2450C) P O # 20409.016.002.0010.08 7 1 day Sample Type Sample Sample #of (C=Comp Time Matrix Sample Identification Date G≃Grab) Cont. Sample Specific Notes: Х Х Х 8/11/15 1345 G W SJFP-081115-11 8/11/15 G W Χ 1305 SJHB-081115-11 Х Х 8/11/15 1140 G W SJDS-081115-11 Х 8/11/15 1425 G W Χ Х SJLP-081115-11 Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. Non-Hazard Flammable Skin Irritant Poison B Unknown Archive for Months Return to Client Special Instructions/QC Requirements & Comments: (200.7: Al, Ca, Fe, K, Mg, Na) (200.8: Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Ag, Se, Tl, V, ZN) (245.1 Hg) (SM2340B) ** EPA 200.7, 200.8, 245.1 Dissolved metals samples have been field filtered Cooler Temp. (°C): Obs'd: Therm ID No Custody Seals Intact: ☐ Yes Costody Seal No.: Corr'd: Belinquished by: Jonathan Colomb Company: Weston Solutions Date/Time: Received/by 8/11/15: 16:00 Relinquished by: Company: Date/Time: Date/Time: Received by: Company:

Date/Time:

Company:

Form No. CA-C-WI-002, Rev. 4.5, dated 07/15/2015



Received in Laboratory by:





Company:







Date/Time:









Chain of Custody Record

5102 LaRoche Avenue

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Savannah, GA 31404-6019 phone 912.354.7858 fax 912.352.0165	Regui	latory Pro	gram: [] wd[NPDES	5 [RCF	AS		Other:											TestAmerica Laboratories, Inc.
Client Contact	Project M	lanager: Jo	onathan Co	olomb		Site	Con	itact	t: Jo	nath	an Co	olom	b [Date:	8/11	/15				MILLION MICHIGAN	COC No:
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Comments Section if the lab is to dispose of the sample.		***************************************		MINING THE PARTY OF THE																	
Non-Hazard Flammable Skin Irritant	Poison	В	✓ Unknown	own	gissianimostanska		\Box	Retur	m to (Client	alatan Park		Dist	osal b	v Lab			A	rchive	for_	Months
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Dissolved metals samples have been field filtered				***************************************		*************		rich and the second	12			(0.0)								~	
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Belinquished by: Jonathan Colomb	Company	Weston S	olutions	Date/Ti 8/11/15	; 16:00	<u> </u>	Recei	$I\!\!I\!\!I$	<u> </u>	U	4	L	L	2	士	mpar		4			pate/time:// 9.40
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Relinquished by:	Company	•		Date/Ti	me:	F	Recei	ved	in La	abora	tory t	oy:			Co	mpar	ny:				Date/Time:

Form No. CA-C-WI-002, Rev. 4.5, dated 07/15/2015









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Chain of Custody Record

5102 LaRoche Avenue

TestAmerica

Savonnah CA 21404 6010																				THE LEADER IN ENVIRONMENTAL TESTING
Savannah, GA 31404-6019 phone 912.354.7858 fax 912.352.0165	Regu	latory Pro	gram: [DW	NPDE	s	□R(CRA		Other:										TestAmerica Laboratories, Inc.
Client Contact	Project M	anager: Jo	onathan Co	olomb	<u> </u>	Site	e Co	ntac	t; Joi	natha	an Co	olomi	0 0	ate:	3/11/1	5	Sinting and the same of the sa		nii direkum	COC No:
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San Antonio, TX 78216-5842	Z CALEN	DAR DAYS	☐ WOF	RKING DAY	'S	1	Section 2	Į į]]	J]	1 1								For Lab Use Only:
(703) 724-0544 Phone	TA	T if different fr	om Below			1 1:	Ξţ	, E									1			Walk-in Client:
(xxx) xxx-xxxx FAX	1 0		weeks			1-1	MSD (Y/N)	틸												Lab Sampling:
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Site: Region 9	1 =	2	days					<u> </u>	1 1	320	_ _	.					11			Job / SDG No.:
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			Sample	T		Sar	N E	g g	150	2 2	124					-				
Sample Identification	Sample Date	Sample Time	Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered	Perform MS / MSD Total Metals: inclu	Dissolved Metals; including Hg**	pH (SM4500H)	Alkalinity (SM2320B)	TDS (SM2450C)									Sample Specific Notes:
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Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=	NaOH: 6=	Other		2008(480s)	Souten Hi			34 S367	1 (20)				ayas sa		2000			199 3490		
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please I Comments Section if the lab is to dispose of the sample.			odes for the	e sample	in the		Sam	ple [)ispo	sai (A fe	e ma	y be a	isses	sed i	sam	ples a	are ret	aine	ed longer than 1 month)
Non-Hazard Flammable Skin Irritant	Poison	В	✓ Unkno	wn				Retu	n to C	lient			Dispo	sal by	Lab		A	rchive fo	or	Months
Special Instructions/QC Requirements & Comments:						(emanonem								M STATE OF THE STA					Mark Control	1
* (200.7: Al, Ca, Fe, K, Mg, Na) (200.8: Sb, As, Ba, Be, Cd, Cr, ** EPA 200.7, 200.8, 245.1	Co, Cu, Pk	o, Mn, Mo,	Ni, Ag, Se	, TI, V, Z	ZN) (24	5.1 H	-lg) (SM2	340B	$)^{\circ}$	0	0	-1	15	54	8		L	5	.4/5.8
Dissolved metals samples have been field filtered Custody Seals Intact: Yes No	Custody S	eal No:				denimento es		*****	Çoo	ler I	emp.	(°C):	Obs'	<u>, , , , , , , , , , , , , , , , , , , </u>		Cor	r'd:		and the same	Therm ID No.:
Belinquished by: Jonathan Colomb	de la companya del companya de la companya del companya de la comp	Weston S	olutions	Date/Ti 8/11/15		- 55	Rece	eived		Q 1	1	1	1,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Com	pany:	7		_	Date/Time://
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Relinquished by:	Company:			Date/Ti	me;	T t	Rece	ved	in La	borat	tory b	y:			Com	pany:				Date/Time:



















Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 680-115487-2

Login Number: 115487 List Source: TestAmerica Savannah

List Number: 1

Creator: Daughtry, Beth A

vey meter. a cooler's custody seal, if present, is intact. be cooler or samples do not appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been contained to have been compromised or appear to have been contained to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been compromised or appear to have been contained or appear to have been compromised or appear to have been contained or appear to have been cont	Question	Answer	Comment
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a cooler or samples do not appear to have been compromised or appered with. In ples were received on ice. In true In the poler Temperature is acceptable. In true In the poler Temperature is recorded. In true In t	The cooler's custody seal, if present, is intact.	True	
spered with. Imples were received on ice. Indeed of the present of the proper of the p	Sample custody seals, if present, are intact.	True	
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ere is sufficient vol. for all requested analyses, incl. any requested True True True True	Sample bottles are completely filled.	True	
/MSDs ntainers requiring zero headspace have no headspace or bubble is True	Sample Preservation Verified.	True	
	There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
	Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Itiphasic samples are not present.	Multiphasic samples are not present.	True	
mples do not require splitting or compositing.	Samples do not require splitting or compositing.	True	
sidual Chlorine Checked. N/A	Residual Chlorine Checked.	N/A	

Certification Summary

Client: Weston Solutions, Inc.

Project/Site: Gold King Mine - Region 9

TestAmerica Job ID: 680-115487-2

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Colorado	State Program	8	N/A	12-31-15